

<b>SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS</b> <i>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, &amp; 30</i>				1. REQUISITION NUMBER PR-OAR-16-01058		PAGE OF 1 14	
2. CONTRACT NO. EP-W-16-015		3. AWARD/ EFFECTIVE DATE		4. ORDER NUMBER 0007		5. SOLICITATION NUMBER	
6. SOLICITATION ISSUE DATE		7. FOR SOLICITATION INFORMATION CALL:		a. NAME Robert Gray		b. TELEPHONE NUMBER (No collect calls) 202-564-1698	
8. OFFER DUE DATE/LOCAL TIME ET		9. ISSUED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: % FOR:  <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM EDWOSB 8(A) NAICS: 541620 SIZE STANDARD: \$15.0			
11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE		12. DISCOUNT TERMS		13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) <input type="checkbox"/>		13b. RATING	
14. METHOD OF SOLICITATION <input type="checkbox"/> RFQ <input type="checkbox"/> IFB <input type="checkbox"/> RFP		15. DELIVER TO OAR/OAP US Environmental Protection Agency 1200 Pennsylvania Avenue NW Mail Code: 62101J OAR/OAP Washington DC 20460		16. ADMINISTERED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		17. PAYMENT WILL BE MADE BY RTP FMC RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711	
17a. CONTRACTOR/OFFEROR AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC. 751 ARBOR WAY, STE 180 BLUE BELL PA 19422-1972  (b)(4) TELEPHONE NO.		17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER		18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM			
19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES			21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	DUNS Number: 038086125 This task order is issued in accordance with the Task Order Ordering Procedures and hereby incorporates the base contract terms and conditions by reference. The effective date for performance to commence is July 9, 2016.  The Contractor shall perform in accordance with the Attachment A Statement of Work (4 pages) and the accepted technical proposal and cost estimate (6 pages) dated June 23, 2016 in the amount of <i>(Use Reverse and/or Attach Additional Sheets as Necessary)</i>						
25. ACCOUNTING AND APPROPRIATION DATA See Schedule						26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$111,153.00	
27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.							
27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4, FAR 52.212-5 IS ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.							
28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED.				29. AWARD OF CONTRACT: _____ OFFER DATED _____, YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:			
30a. SIGNATURE OF OFFEROR/CONTRACTOR 				31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) 			
30b. NAME AND TITLE OF SIGNER (Type or print) Kemp Howell - Project Manager				30c. DATE SIGNED 6/30/16		31b. NAME OF CONTRACTING OFFICER (Type or print) Robert A. Gray	
						31c. DATE SIGNED 07/05/2016	

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	<p>\$111,153.</p> <p>This is a Time-and-Materials (T&amp;M) task order with a total ceiling price of \$111,153, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk.</p> <p>The total obligated/funded amount for this order is \$25,000. This order is hereby incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings. Attachment B is hereby incorporated (1 page).</p> <p>Contracting Officer's Representative (COR) for this task order: Greg Beachley (202) 343-9621 beachley.gregory@epa.gov</p> <p>Alternate COR: Melissa Puchalski (202) 343-9882 puchalski.melissa@epa.gov</p> <p>The services of this order are for severable. TOCOR: Greg Beachley Delivery: 06/22/2016 Period of Performance: 07/09/2016 to 07/08/2017</p> <p>Continued ...</p>				

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED    ☐ INSPECTED    ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: \_\_\_\_\_

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE		32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE			32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
			32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
33. SHIP NUMBER	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT  <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				
38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY		
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT		42a. RECEIVED BY ( <i>Print</i> )		
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		41c. DATE	42b. RECEIVED AT ( <i>Location</i> )	
			42c. DATE REC'D (YY/MM/DD)	42d. TOTAL CONTAINERS

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-W-16-015/0007

PAGE

OF

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14

NAME OF OFFEROR OR CONTRACTOR

AMEC ENVIRONMENT &amp; INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0001	Create Task Order and add incremental funding of \$25,000. New TO Greg Beachley #EP-W-16-015; TO:#0007 MARGA Operations at CASTNET Sites \$25,000.00  Accounting Info: 16-17-C-58D5-102A45-2505-1658DC6096-001 BFY: 16 EFY: 17 Fund: C Budget Org: 58D5 Program (PRC): 102A45 Budget (BOC): 2505 DCN - Line ID: 1658DC6096-001 Funding Flag: Partial Funded: \$25,000.00				

**Title:** Procurement of Supplies and Consumables for  
MARGA Operation at CASTNET Sites  
**Contractor:** AMEC Foster Wheeler, Inc.  
**Contract #:** EP-W-16-015  
**Task Order #:** 0007  
**Period of Performance:** 7/9/2016 – 7/8/2017  
**Estimated Level of Effort:** 138

### **EPA Key Personnel**

**Task Order Project Officer (TOPO):**

Greg Beachley  
Clean Air Markets Division (OAP/OAR/CAMD)  
1200 Pennsylvania Ave., NW  
Mail Code 6204M  
Washington, DC 20460  
*phone:* (202) 343-9621  
*email:* beachley.gregory@epa.gov

**Alternate Task Order Project Officer/Project Officer:**

Melissa Puchalski  
Clean Air Markets Division (OAP/OAR/CAMD)  
1200 Pennsylvania Ave., NW  
Mail Code 6204M  
Washington, DC 20460  
*phone:* (202) 343-9882  
*email:* puchalski.melissa@epa.gov

**Contracting Officer (CO):**

Robert Gray  
Contracting Officer  
Administrative Contract Service Center  
1200 Pennsylvania Ave N.W.  
Mail Code 3803R  
Washington DC 20460  
*phone:* (202) 564-1698  
*email:* gray.roberta@epa.gov



## STATEMENT OF WORK

### I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<https://www.epa.gov/castnet>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate ( $\text{SO}_4^{2-}$ ), nitrate ( $\text{NO}_3^-$ ), ammonium ( $\text{NH}_4^+$ ), sulfur dioxide ( $\text{SO}_2$ ), nitric acid ( $\text{HNO}_3$ ), chloride ( $\text{Cl}^-$ ) and the base cations ( $\text{Na}^+$ ,  $\text{K}^+$ ,  $\text{Mg}^{2+}$  and  $\text{Ca}^{2+}$ ) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone ( $\text{O}_3$ ), hourly meteorology, ammonia ( $\text{NH}_3$ ) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen ( $\text{NO}_y$ ), nitric oxide ( $\text{NO}$ ), sulfur dioxide ( $\text{SO}_2$ ) and carbon monoxide ( $\text{CO}$ ). CASTNET  $\text{O}_3$ , meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

### II. PURPOSE

The primary purpose of this task is for the procurement of supplies and consumables that will be used for the operation and maintenance of the Monitor for Aerosols and Gases in Ambient Air (MARGA) systems operated in support of CASTNET. The key activities under this task will be to ship existing MARGA units and the conversion of two existing units into an upgraded and adapted single unit that is capable of directly measuring deposition fluxes. That unit will be

shipped to a CASTNET site for field setup and operation. This task order is a continuation of work that began under EP-W-09-028 Task Order 0435.

### **III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE**

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) of the contract's Statement of Work.

### **IV. TECHNICAL DIRECTION**

#### **1. Prepare a Proposal**

The Contractor shall prepare a Task Order Proposal in accordance with the terms and conditions of contract clauses B.2 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract, using time and materials with a cost ceiling, and will submit it to EPA.

#### **2. Shipment of Instruments**

The contractor shall assist TOPO in shipping all designated MARGA units including costs and necessary materials.

#### **3. Field Set-up and Operations**

The contractor shall procure and deliver supplies and consumables, as directed by the TOPO to support the setup, operation, and maintenance of the direct deposition instrument at a yet-to-be determined research site.

During the period of performance, on an approximately a monthly basis, the TOPO will provide AMEC Foster Wheeler with an itemized list of parts, supplies and consumables needed for the operation and calibration of the MARGAs. Potential vendors will be identified whenever possible. AMEC will deliver all parts, materials and supplies as directed by the TOPO.

Table 1 summarizes the types of materials and supplies required for Task Order 0007 and the estimated total cost.

**Table 1 Materials and Supplies**

<b>Items</b>	<b>Total Cost*</b>
Chemicals	\$1,500
Laboratory supplies	\$1,500
MARGA replacement parts	\$15,000
Exterior Instrument Shelters	\$16,000
Shipping (\$1,000 per unit)	\$5,000

NOTE: \* - Not to be exceeded

#### **4. Laboratory and Field testing and Performance verification of modified deposition flux instrument**

AMEC Foster Wheeler will be responsible for supporting a qualified operator to coordinate the in-lab and in-field testing and performance verification of the modified deposition flux instrument. Upon approval by the TOPO, the MARGA concentration gradient system will be tested by Ian C. Rumsey, PhD, an assistant professor for Air Quality in the Department of Physics and Astronomy at the College of Charleston. He will coordinate and oversee laboratory- and field-testing of the MARGA and will verify performance of the modified flux instrument.

### **V. DELIVERABLES**

#### **1. Proposal**

The contractor shall deliver a Task Order Proposal in accordance with clause B.7 Task Order Ordering Procedures of the contract.

#### **2. Monthly Progress Report**

The contractor shall prepare and submit a monthly progress report by the 15<sup>th</sup> of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.3 Reports of Work and F.5 Monthly Progress Report. Reports shall be delivered electronically.

Additional deliverables may be required as part of future technical direction.

### **VI. SCHEDULE**

The task order proposal shall be delivered within 10 days of issuance of this task order.

#### **Distribution of Deliverables:**

Addressee	Copies
EPA Contracting Officer (Robert Gray)	1
EPA TOPO (Greg Beachley)	1
EPA Alternate TOPO/PO (Melissa Puchalski)	1

**ATTACHMENT B**  
**SUMMARY OF AMOUNTS AND CEILINGS**

<b>Total Funding/Obligation Amount</b>			
<b>Period</b>	<b>This Action</b>		<b>Amount</b>
Base Period	\$25,000		\$25,000
Total	\$25,000		\$25,000

<b>Total Task Order Ceiling</b>			
<b>Period</b>	<b>This Action</b>		<b>Amount</b>
Base Period	\$111,153		\$111,153
Total	\$111,153		\$111,153

**NOTE:** This task order is hereby incrementally funded. The Contractor exceeds funding at its own risk.

This task order requires \$86,153 to be fully funded.

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
001		08/01/2016		PR-OAR-16-01198		EP-W-16-015	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
HPOD							
US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x) 9A. AMENDMENT OF SOLICITATION NO.			
AMEC ENVIRONMENT & INFRASTRUCTURE, INC. Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONMENT & I 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960							
				9B. DATED (SEE ITEM 11)			
				x 10A. MODIFICATION OF CONTRACT/ORDER NO.			
				EP-W-16-015			
				0007			
				10B. DATED (SEE ITEM 13)			
				06/29/2016			
CODE 038086125		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$50,000.00	
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X	D. OTHER (Specify type of modification and authority) FAR 43.103 (b) Unilateral Modification						
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 038086125							
The purpose of this modification is to obligate incremental funding in the amount of \$50,000.00.							
The Contracting Officer has changed from Robert Gray to Anthony Terrell.							
All other items remain unchanged.							
Contracting Officer: Anthony Terrell 202-564-2640 terrell.anthony@epa.gov							
Contracting Officer's Representative (COR): Greg Beachley 202-343-9621 beachley.gregory@epa.gov							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Anthony Terrell			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 08/01/2016	

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NAME OF OFFEROR OR CONTRACTOR

AMEC ENVIRONMENT &amp; INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Alternate COR: Melissa Puchalski 202-343-9882 puchalski.melissa@epa.gov TOCOR: Greg Beachley</p> <p>LIST OF CHANGES: Reason for Modification : Funding Only Action Obligated Amount for this Modification: \$50,000.00 New Total Obligated Amount for this Award: \$75,000.00</p> <p>Contracting Officer changed from Robert A Gray  to Anthony Terrell</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this modification: \$50,000.00 Incremental Funded Amount changed from \$25,000.00 to \$75,000.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 16-17-C-58D5-102A45-2505-1658DC6126-001 Beginning FiscalYear 16 Ending Fiscal Year 17 Fund (Appropriation) C Budget Organization 58D5 Program (PRC) 102A45 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1658DC6126-001 Quantity: 0 Amount: \$50,000.00 Percent: 44.98304 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Delivery: 06/22/2016 Continued ...</p>				

NAME OF OFFEROR OR CONTRACTOR  
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Delivery Location Code: OAR/OAP OAR/OAP US Environmental Protection Agency 1200 Pennsylvania Avenue NW Mail Code: 62101J OAR/OAP Washington DC 20460 USA  Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711  FOB: Destination Period of Performance: 07/09/2016 to 07/08/2017				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
002		See Block 16C		PR-OAR-17-00537		EP-W-16-015	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
HPOD							
US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
AMEC ENVIRONMENT & INFRASTRUCTURE, INC. Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONMENT & I 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960							
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x 10A. MODIFICATION OF CONTRACT/ORDER NO.			
				EP-W-16-015			
				0007			
				10B. DATED (SEE ITEM 13)			
				06/29/2016			
CODE 038086125		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$36,153.00	
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X	D. OTHER (Specify type of modification and authority) FAR 43.103 (b) Unilateral Modification						
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 038086125							
IGF::OT::IGF							
The purpose of this modification is to:							
1.) Obligate incremental funding in the amount of \$36,153.00 to this task order (0007). Task Order# 0007 is now fully-funded.							
2.) Change the Contracting Officer from Anthony Terrell to Michael Fox.							
TOCOR: Greg Beachley							
LIST OF CHANGES:							
Reason for Modification : Funding Only Action							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Michael C. Fox			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 04/03/2017	



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NAME OF OFFEROR OR CONTRACTOR

AMEC ENVIRONMENT &amp; INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Obligated Amount for this Modification: \$36,153.00</p> <p>New Total Obligated Amount for this Award: \$111,153.00</p> <p>Incremental Funded Amount changed: from \$75,000.00 to \$111,153.00</p> <p>Buyer changed from Anthony Terrell</p> <p>to Michael C Fox</p> <p>Contracting Officer changed from Anthony Terrell</p> <p>to Michael C Fox</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this modification: \$36,153.00</p> <p>Incremental Funded Amount changed from \$75,000.00 to \$111,153.00</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code: 17-18-C-58D5-102A45-2505-1758DC7030-001</p> <p>Beginning FiscalYear 17</p> <p>Ending Fiscal Year 18</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 58D5</p> <p>Program (PRC) 102A45</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 1758DC7030-001</p> <p>Quantity: 0</p> <p>Amount: \$36,153.00</p> <p>Percent: 32.52544</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p><a href="http://www2.epa.gov/financial/contracts">www2.epa.gov/financial/contracts</a></p> <p>Durham NC 27711</p> <p>Continued ...</p>				

NAME OF OFFEROR OR CONTRACTOR  
 AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 FOB: Destination Period of Performance: 07/09/2016 to 07/08/2017				



<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-16-015/0007/P00003	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR

AMEC ENVIRONMENT &amp; INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Obligated Amount for this modification: -\$9,614.26</p> <p>Incremental Funded Amount changed from \$111,153.00 to \$101,538.74</p> <p>CHANGES FOR ACCOUNTING CODE: 17-18-C-58D5-102A45-2505-1758DC7030-001 Amount changed from \$36,153.00 to \$26,538.74</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>FOB: Destination Period of Performance: 07/09/2016 to 07/08/2017</p>				

<b>SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS</b> <small>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, &amp; 30</small>				1. REQUISITION NUMBER PR-OAR-16-01138		PAGE OF 1 14			
2. CONTRACT NO. PR-W-16-015			3. AWARD EFFECTIVE DATE 0008		5. SOLICITATION NUMBER		8. SOLICITATION ISSUE DATE		
7. FOR SOLICITATION INFORMATION CALL:			a. NAME Robert Gray		b. TELEPHONE NUMBER (No collect calls) 202-564-1698		8. OFFER DUE DATE/LOCAL TIME ET		
9. ISSUED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460			CODE HPOD		10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: % FOR:  <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> WOMEN-OWNED SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SMALL BUSINESS PROGRAM NAICS 541620 <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS <input type="checkbox"/> EDWOSB <input type="checkbox"/> S(A) SIZE STANDARD \$15.0				
11. DELIVERY FOR POST DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE			12. DISCOUNT TERMS		13a. THIS CONTRACT IS A RATED ORDER UNDER OFAS (15 CFR 700) <input type="checkbox"/> 13b. RATING		14. METHOD OF SOLICITATION <input type="checkbox"/> RFP <input type="checkbox"/> IFB <input type="checkbox"/> RFP		
15. DELIVER TO OAR/OAP US Environmental Protection Agency 1200 Pennsylvania Avenue NW Mail Code: 62101J OAR/OAP Washington DC 20460			CODE OAR/OAP		16. ADMINISTERED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		CODE HPOD		
17a. CONTRACTOR/OFFEROR AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC. 751 ARBOR WAY, STE 180 BLUE BELL PA 19422-1972			CODE 038086125 FACILITY CODE		18a. PAYMENT WILL BE MADE BY RTP FMC RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711		CODE		
TELEPHONE NO. (b)(4)									
17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER					18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM				
19. ITEM NO.		23. SCHEDULE OF SUPPLIES/SERVICES			21. QUANTITY		22. UNIT		
		DUNS Number: 038086125  This task order is issued in accordance with the Task Order Ordering Procedures and hereby incorporates the base contract terms and conditions by reference. The effective date for performance to commence is July 18, 2016.  The Contractor shall perform in accordance with the Attachment A Statement of Work (4 pages) and (Use Reverse and/or Attach Additional Sheets as Necessary)							
							23. UNIT PRICE		
							24. AMOUNT		
25. ACCOUNTING AND APPROPRIATION DATA See Schedule					26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$37,045.00				
27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED					27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4, FAR 52.212-5 IS ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED				
28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED.					29. AWARD OF CONTRACT: _____ OFFER DATED _____ YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS.				
30a. SIGNATURE OF OFFEROR/CONTRACTOR 					31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) 				
30c. NAME AND TITLE OF SIGNER (Type or print) Kemp Howell - Project Manager			30b. DATE SIGNED 7/18/16		31c. NAME OF CONTRACTING OFFICER (Type or print) Robert A. Gray			31b. DATE SIGNED 7/18/16	

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	<p>the accepted technical proposal and cost estimate (6 pages) dated July 8, 2016 in the amount of \$37,045.</p> <p>This is a Time-and-Materials (T&amp;M) task order with a total ceiling price of \$37,045, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk.</p> <p>The total obligated/funded amount for this order is \$10,000. This order is hereby incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings. Attachment B is hereby incorporated (1 page).</p> <p>Contracting Officer's Representative (COR) for this task order:</p> <p>Timothy Sharac (202) 343-9180 Sharac.Timothy@epa.gov</p> <p>Alternate COR: Melissa Puchalski (202) 343-9882 puchalski.melissa@epa.gov</p> <p>The services of this order are for severable. TOCOR: Timothy Sharac Delivery: 07/09/2016 Continued ...</p>				

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED    ☐ INSPECTED    ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: \_\_\_\_\_

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE		32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE			32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
			32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
33. SHIP NUMBER	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT	37. CHECK NUMBER
<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL			<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	
38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY		
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT		42a. RECEIVED BY ( <i>Print</i> )		
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		42b. RECEIVED AT ( <i>Location</i> )		
		42c. DATE REC'D (YY/MM/DD)		42d. TOTAL CONTAINERS

# CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-W-16-015/0008

PAGE OF

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14

NAME OF OFFEROR OR CONTRACTOR

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0001	<p>Period of Performance: 07/09/2016 to 07/08/2021</p> <p>CASTNET Contract #EP-W-16-015; TO:#008 Tribal Site Install</p> <p>Accounting Info: 16-17-C-58D5-102A45-2505-1658DC6105-001 BFY: 16 EFY: 17 Fund: C Budget Org: 58D5 Program (PRC): 102A45 Budget (BOC): 2505 DCN - Line ID: 1658DC6105-001 Funding Flag: Partial Funded: \$10,000.00</p>				

## **Task Order 008**

**Title:** Installation of CASTNET equipment at tribal sites

**Contractor and Contract #:** AMEC FW; EP-W-16-015

**Task Order #:** 008

**Period of Performance:** 07/1/2016 – 6/30/2017

### **EPA Key Personnel**

#### **Task Order Project Officer (TOPO):**

Timothy Sharac  
Clean Air Markets Division (OAP/OAR/CAMD)  
1200 Pennsylvania Ave. NW  
Mail Code 6204M  
Washington, DC 20460  
*phone:* (202) 343-9180  
*email:* [sharac.timothy@epa.gov](mailto:sharac.timothy@epa.gov)

#### **Alternate TOPO:**

Melissa Puchalski  
Clean Air Markets Division (OAP/OAR/CAMD)  
1200 Pennsylvania Ave. NW  
Mail Code 6204M  
Washington, DC 20460  
*phone:* (202) 343-9882  
*email:* [puchalski.melissa@epa.gov](mailto:puchalski.melissa@epa.gov)

#### **Contracting Officer (CO):**

Robert A. Gray  
William Jefferson Clinton Building  
1200 Pennsylvania Ave N.W.  
Mail Code 3803R  
Washington DC 20460  
*phone:* (202) 564-1698  
*email:* [gray.roberta@epa.gov](mailto:gray.roberta@epa.gov)

#### **Contract Level Project Officer:**

Melissa Puchalski  
Clean Air Markets Division (OAP/OAR/CAMD)  
1200 Pennsylvania Ave., NW  
Mail Code 6204M  
Washington, DC 20460  
*phone:* (202) 343-9882  
*email:* [puchalski.melissa@epa.gov](mailto:puchalski.melissa@epa.gov)



## **STATEMENT OF WORK**

### **I. INTRODUCTION**

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<https://www.epa.gov/castnet>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate ( $\text{SO}_4^{2-}$ ), nitrate ( $\text{NO}_3^-$ ), ammonium ( $\text{NH}_4^+$ ), sulfur dioxide ( $\text{SO}_2$ ), nitric acid ( $\text{HNO}_3$ ), chloride ( $\text{Cl}^-$ ) and the base cations ( $\text{Na}^+$ ,  $\text{K}^+$ ,  $\text{Mg}^{2+}$  and  $\text{Ca}^{2+}$ ) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone ( $\text{O}_3$ ), hourly meteorology, ammonia ( $\text{NH}_3$ ) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen ( $\text{NO}_y$ ), nitric oxide ( $\text{NO}$ ), sulfur dioxide ( $\text{SO}_2$ ) and carbon monoxide ( $\text{CO}$ ). CASTNET  $\text{O}_3$ , meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

### **II. PURPOSE**

The primary purpose of this task order is to support collaborative monitoring activities between CASTNET and tribal air monitoring agencies. Under this task, the contractor shall install an ozone analyzer in a small-footprint enclosure at a monitoring site on Nez Perce tribal lands in Idaho. This location was selected based on Nez Perce's interest in the CASTNET measurements, their capabilities, and their location. CAMD will try to fill in spatial gaps within the network with this additional tribal site.

### **III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE**

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) of the contract's Statement of Work. After installation, expenses for the operation of these sites will be billed under Task Order 004 Tribal Base Program.

#### **IV. TECHNICAL DIRECTION**

##### **1. Prepare Work Plan**

The Contractor shall prepare a Work Plan in accordance with the terms and conditions of contract clauses B.1 entitled Level of Effort – Cost Reimbursement Term Contract. The contractor shall prepare the work plan and cost estimate for base option period.

##### **2. Procurement of Equipment**

The Contractor shall procure all necessary equipment and materials for installing an ozone analyzer to operate in a small-footprint enclosure. This includes power cables, sample line tubing, and any additional equipment needed for the small-footprint ozone analyzer.

##### **3. Installation**

The contractor shall coordinate with the tribe to schedule the installation and training dates. The contractor shall install and calibrate the O<sub>3</sub> analyzer for Nez Perce.

The Nez Perce Tribe of Idaho has agreed to host the small-footprint O<sub>3</sub> monitor. The contractor shall coordinate with Julie Simpson ([julies@nezperce.org](mailto:julies@nezperce.org)) for the O<sub>3</sub> monitor installation.

#### **V. DELIVERABLES**

All deliverables should be provided electronically.

##### **1. Work Plan**

The contractor shall deliver a work plan in accordance with clause B.1 of the contract.

##### **2. Monthly Report**

In addition, a monthly progress report shall be submitted. These reports shall outline the technical and financial status of the work assignment.

Additional deliverables may be required as part of future technical direction.

#### **VI. SCHEDULE**

The work plan shall be delivered within 15 days of issuance of this task order.

#### **Distribution of Deliverables:**

Addressee	Copies
EPA Contracting Officer (Diane Tillison)	1
EPA TOPO (Melissa Puchalski)	1
EPA Alt TOPO (Greg Beachley)	1

**ATTACHMENT B**  
**SUMMARY OF AMOUNTS AND CEILINGS**

<b>Total Funding/Obligation Amount</b>			
<b>Period</b>	<b>This Action</b>		<b>Amount</b>
Base Period	\$10,000		\$10,000
Total	\$10,000		\$10,000

<b>Total Task Order Ceiling</b>			
<b>Period</b>	<b>This Action</b>		<b>Amount</b>
Base Period	\$37,045		\$37,045
Total	\$37,045		\$37,045

**NOTE:** This task order is hereby incrementally funded. The Contractor exceeds funding at its own risk.

This task order requires \$27,045 to be fully funded.

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See Schedule		5. PROJECT NO. (If applicable) EP-W-16-015	
6. ISSUED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		CODE HPOD		7. ADMINISTERED BY (If other than Item 6)  		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  AMEC ENVIRONMENT & INFRASTRUCTURE, INC. Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONMENT & I 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960  CODE 038086125 FACILITY CODE				(x)		9A. AMENDMENT OF SOLICITATION NO.	
						9B. DATED (SEE ITEM 11)	
				x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 0008	
						10B. DATED (SEE ITEM 13) 07/18/2016	
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b> <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				Net Increase:		\$11,761.00	
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X		D. OTHER (Specify type of modification and authority) FUNDING ACTION ONLY					
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) DUNS Number: 038086125 The purpose of this action is to obligate incremental funding in the amount of \$11,761.00. All other items remain unchanged.  Contracting Officer: Anthony Terrell 202-564-2640 Terrell.Anthony@epa.gov  Contracting Officer's Representative (COR): Timothy Sharac 202-343-9180 Sharac.Timothy@epa.gov  Continued ...							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Anthony Terrell			
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)		16C. DATE SIGNED 10/26/2016	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-16-015/0008/001	PAGE	OF
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NAME OF OFFEROR OR CONTRACTOR  
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Alternate COR: Melissa Puchalski 202-343-9882 puchalski.melissa@epa.gov TOCOR: Timothy Sharac</p> <p>LIST OF CHANGES: Reason for Modification : Funding Only Action Obligated Amount for this Modification: \$11,761.00 New Total Obligated Amount for this Award: \$21,761.00 Incremental Funded Amount changed: from \$10,000.00 to \$21,761.00</p> <p>Contracting Officer changed from Robert A Gray  to Anthony Terrell</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this modification: \$11,761.00 Incremental Funded Amount changed from \$10,000.00 to \$21,761.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 16-E1-58D5-102A17-2505-1658DC6178-001 Beginning FiscalYear 16 Ending Fiscal Year Fund (Appropriation) E1 Budget Organization 58D5 Program (PRC) 102A17 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1658DC6178-001 Quantity: 0 Amount: \$8,000.00 Percent: 21.59536 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>NEW ACCOUNTING CODE ADDED: Continued ...</p>				

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-W-16-015/0008/001	3	3

NAME OF OFFEROR OR CONTRACTOR

AMEC ENVIRONMENT &amp; INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 16-17-B-58D5-102A45-2505-1658DC6185-001 Beginning FiscalYear 16 Ending Fiscal Year 17 Fund (Appropriation) B Budget Organization 58D5 Program (PRC) 102A45 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1658DC6185-001 Quantity: 0 Amount: \$3,761.00 Percent: 10.15252 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711  Delivery: 07/09/2016 Delivery Location Code: OAR/OAP OAR/OAP US Environmental Protection Agency 1200 Pennsylvania Avenue NW Mail Code: 62101J OAR/OAP Washington DC 20460 USA  Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 FOB: Destination Period of Performance: 07/18/2016 to 07/08/2021				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
002		See Block 16C		PR-OAR-17-00071		EP-W-16-015	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
HPOD							
US Environmental Protection Agency							
William Jefferson Clinton Building							
1200 Pennsylvania Avenue, N. W.							
Mail Code: 3803R							
Washington DC 20460							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.							
Attn: LISA DWYER							
AMEC FOSTER WHEELER ENVIRONMENT & I							
751 ARBOR WAY, STE 180							
(b)(4)				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO.			
				EP-W-16-015			
				0008			
				10B. DATED (SEE ITEM 13)			
				07/18/2016			
CODE 038086125		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$15,000.00	
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X	D. OTHER (Specify type of modification and authority) FUNDING ACTION ONLY						
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 038086125							
The purpose of this modification is to obligate incremental funding in the amount of \$15,000.00.							
Contracting Officer: Michael Fox, (202)564-2640, Fox.Michael@epa.gov							
Contracting Officer's Representative (COR): Timothy Sharac, (202)343-9180, Sharac.Timothy@epa.gov							
Alternate COR: Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Anthony Terrell			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 11/17/2016	



<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-W-16-015/0008/002	2	3

NAME OF OFFEROR OR CONTRACTOR  
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Melissa Puchalski, (202)343-9882, Puchalski.Melissa@epa.gov</p> <p>Contractor POC: Kemp Howell, (352)333-6612, Kemp.Howell@amecfw.com TOCOR: Timothy Sharac LIST OF CHANGES: Reason for Modification : Funding Only Action Obligated Amount for this Modification: \$15,000.00 New Total Obligated Amount for this Award: \$36,761.00 Incremental Funded Amount changed: from \$21,761.00 to \$36,761.00 Buyer changed from Anthony Terrell  to Michael C Fox</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this modification: \$15,000.00 Incremental Funded Amount changed from \$21,761.00 to \$36,761.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 17-18-C-58D5-102A45-2505-1758DC7003-001 Beginning FiscalYear 17 Ending Fiscal Year 18 Fund (Appropriation) C Budget Organization 58D5 Program (PRC) 102A45 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1758DC7003-001 Quantity: 0 Amount: \$15,000.00 Percent: 40.49129 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Continued ...</p>				

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-W-16-015/0008/002	3	3

NAME OF OFFEROR OR CONTRACTOR

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 FOB: Destination Period of Performance: 07/18/2016 to 07/08/2021				



## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-W-16-015/0008/003

PAGE

OF

2

2

NAME OF OFFEROR OR CONTRACTOR

AMEC ENVIRONMENT &amp; INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>from Anthony Terrell</p> <p>to Michael C Fox</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this modification: -\$1,516.00 Incremental Funded Amount changed from \$36,761.00 to \$35,245.00</p> <p>CHANGES FOR ACCOUNTING CODE: 17-18-C-58D5-102A45-2505-1758DC7003-001 Amount changed from \$15,000.00 to \$13,484.00 Percent changed from 40.49129 to 0</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive <a href="http://www2.epa.gov/financial/contracts">www2.epa.gov/financial/contracts</a> Durham NC 27711</p> <p>FOB: Destination Period of Performance: 07/18/2016 to 07/08/2021</p>				

<b>SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS</b> OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30				1. REQUISITION NUMBER PR-OAR-16-01137		PAGE OF 1 15	
2. CONTRACT NO. EP-W-16-015		3. AWARD EFFECTIVE DATE 0009		5. SOLICITATION NUMBER		9. SOLICITATION ISSUE DATE	
7. FOR SOLICITATION INFORMATION CALL:		4. NAME Robert Gray		6. TELEPHONE NUMBER (No collect calls) 202-564-1698		8. OFFER DUE DATE/LOCAL TIME ET	
10. DELIVER BY CODE HPOD  HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460				11. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE % FOR:  <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> WOMEN-OWNED SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM NAICS: 541620 <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS <input type="checkbox"/> 8(A) <input type="checkbox"/> ECWOSB <input type="checkbox"/> EIZE STANDARD: \$15.0			
12. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE		13. DISCOUNT TERMS		13a. THIS CONTRACT IS A RATED ORDER UNDER OPAS (15 CFR 700)		13b. RATING	
14. DELIVER TO CODE OAR/OAP  OAR/OAP US Environmental Protection Agency 1200 Pennsylvania Avenue NW Mail Code: 62101J OAR/OAP Washington DC 20460		15. ADM REGISTERED BY CODE HPOD  HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		14. METHOD OF SOLICITATION <input type="checkbox"/> RFQ <input type="checkbox"/> IFB <input type="checkbox"/> RFP			
17a. CONTRACTOR/OFFEROR CODE 038086125  AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC. 751 ARBOR WAY, STE 180 BLUE BELT PA 19422-1972		FACILITY CODE		17b. PAYMENT WILL BE MADE BY CODE RTP FMC  RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711			
TELEPHONE NO (b)(4)				17c. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER			
19. SCHEDULE OF SUPPLIES/SERVICES				21. QUANTITY		22. UNIT	
DUNS Number: 038086125 This task order is issued in accordance with the Task Order Ordering Procedures and hereby incorporates the base contract terms and conditions by reference. The effective date for performance to commence is July 19, 2016.  The Contractor shall perform in accordance with the Attachment A Statement of Work (4 pages) and the accepted technical proposal and cost estimate (7 pages) dated July 8, 2016 in the amount of (Use Reverse and/or Attach Additional Sheets as Necessary)							
23. ACCOUNTING AND APPROPRIATION DATA See Schedule				24. TOTAL AWARD AMOUNT (For Govt. Use Only) \$52,155.00			
27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA				27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4 FAR 52.212-5 IS ATTACHED. ADDENDA			
28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED.				29. AWARD OF CONTRACT OFFER DATED _____ YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS _____			
33a. SIGNATURE OF OFFEROR/CONTRACTOR 				33b. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) 			
33c. NAME AND TITLE OF SIGNER (Type or print) Kemp Howell - Project Manager				33d. DATE SIGNED 7/18/16		33e. NAME OF CONTRACTING OFFICER (Type or print) Robert A. Gray	
				33f. DATE SIGNED 7/14/16			

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	<p>\$52,155.</p> <p>This is a Time-and-Materials (T&amp;M) task order with a total ceiling price of \$52,155, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk.</p> <p>The total obligated/funded amount for this order is \$40,000. This order is hereby incrementally funded as detailed in Attachment B Summary of Amounts and Ceilings. Attachment B is hereby incorporated (1 page).</p> <p>Contracting Officer's Representative (COR) for this task order:            Timothy Sharac            (202) 343-9180            Sharac.Timothy@epa.gov</p> <p>Alternate COR:            Melissa Puchalski            (202) 343-9882            puchalski.melissa@epa.gov</p> <p>The services of this order are for severable.            TOCOR: Timothy Sharac            Delivery: 07/09/2016            Period of Performance: 07/19/2016 to 07/08/2021</p> <p>Continued ...</p>				

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED    ☐ INSPECTED    ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: \_\_\_\_\_

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE		32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE			32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
			32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
33. SHIP NUMBER	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT  <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				
38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY		
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT		42a. RECEIVED BY ( <i>Print</i> )		
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		42b. RECEIVED AT ( <i>Location</i> )		
		42c. DATE REC'D (YY/MM/DD)		42d. TOTAL CONTAINERS

NAME OF OFFEROR OR CONTRACTOR  
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0001	<p>CASTNET contract.</p> <p>COR: Timothy Sharac</p> <p>#EP-W-16-015; TO:#009</p> <p>Technical Systems Audit</p> <p>Accounting Info:</p> <p>16-17-C-58D5-102A45-2505-1658DC6103-001 BFY: 16</p> <p>EFY: 17 Fund: C Budget Org: 58D5 Program (PRC):</p> <p>102A45 Budget (BOC): 2505 DCN - Line ID:</p> <p>1658DC6103-001</p> <p>Funding Flag: Partial</p> <p>Funded: \$40,000.00</p>				

## **Task Order 009**

**Title:** CASTNET Technical Systems Audit

**Contractor and Contract #:** AMEC FW; EP-W-16-015

**Task Order #:** 009

**Period of Performance:** 07/9/2016 – 1/31/2017

## **EPA Key Personnel**

### **Task Order Project Officer (TOPO):**

Timothy Sharac  
Clean Air Markets Division (OAP/OAR/CAMD)  
1200 Pennsylvania Ave. NW  
Mail Code 6204M  
Washington, DC 20460  
*phone:* (202) 343-9180  
*email:* [sharac.timothy@epa.gov](mailto:sharac.timothy@epa.gov)

### **Alternate TOPO:**

Melissa Puchalski  
Clean Air Markets Division (OAP/OAR/CAMD)  
1200 Pennsylvania Ave. NW  
Mail Code 6204M  
Washington, DC 20460  
*phone:* (202) 343-9882  
*email:* [puchalski.melissa@epa.gov](mailto:puchalski.melissa@epa.gov)

### **Contracting Officer (CO):**

Robert A. Gray  
William Jefferson Clinton Building  
1200 Pennsylvania Ave N.W.  
Mail Code 3803R  
Washington DC 20460  
*phone:* (202) 564-1698  
*email:* [gray.roberta@epa.gov](mailto:gray.roberta@epa.gov)

### **Contract Level Project Officer:**

Melissa Puchalski  
Clean Air Markets Division (OAP/OAR/CAMD)  
1200 Pennsylvania Ave. NW  
Mail Code 6204M  
Washington, DC 20460  
*phone:* (202) 343-9882  
*email:* [puchalski.melissa@epa.gov](mailto:puchalski.melissa@epa.gov)



## STATEMENT OF WORK

### I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<https://www.epa.gov/castnet>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate ( $\text{SO}_4^{2-}$ ), nitrate ( $\text{NO}_3^-$ ), ammonium ( $\text{NH}_4^+$ ), sulfur dioxide ( $\text{SO}_2$ ), nitric acid ( $\text{HNO}_3$ ), chloride ( $\text{Cl}^-$ ) and the base cations ( $\text{Na}^+$ ,  $\text{K}^+$ ,  $\text{Mg}^{2+}$  and  $\text{Ca}^{2+}$ ) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone ( $\text{O}_3$ ), hourly meteorology, ammonia ( $\text{NH}_3$ ) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen ( $\text{NO}_y$ ), nitric oxide ( $\text{NO}$ ), sulfur dioxide ( $\text{SO}_2$ ) and carbon monoxide ( $\text{CO}$ ). CASTNET  $\text{O}_3$ , meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

### II. PURPOSE

CASTNET  $\text{O}_3$  data are used to calculate design values for all sites where data completeness requirements are met. The CASTNET program follows QA/QC procedures and schedules to meet the regulatory requirements detailed in OAQPS' Quality Assurance Handbook for Air Pollution Measurement Systems. Volume II Ambient Air Quality Monitoring Program EPA-454/B-13-003 May, 2013. Appendix D. Revision No.

0. <http://www.epa.gov/ttnamti1/files/ambient/pm25/qa/QA-Handbook-Vol-II.pdf>. The required QA/QC protocols include daily zero/span/precision checks, quarterly data submittals to EPA's Air Quality System (AQS) database, annual performance evaluations of the ozone analyzers by an independent auditor, and a 3-year facility technical systems audit (TSA). The purpose of this task is to fulfill the requirement for the TSA at the ARS' facility. An

independent auditor will review ARS' and Amec-FW's procedures on all aspects of the ozone monitoring program, including data handling, quality assurance procedures and documentations, calibrations and field operations.

### **III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE**

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) of the contract's Statement of Work.

### **IV. TECHNICAL DIRECTION**

#### **1. Prepare a Technical Proposal and Cost Estimate**

The Contractor shall prepare a Task Order Proposal in accordance with the terms and conditions of contract clauses B.2 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract.

#### **2. Technical Systems Audit**

The contractor shall prepare for the Technical Systems Audit (TSA) by providing the independent auditor with requested QA documents, SOPs, reports, etc. The independent auditor will prepare three questionnaires (one each for the field audit, data management, and field laboratory). ARS should review these questionnaires prior to the TSA and provide any feedback to the auditor.

The field audit will be performed at a CASTNET site selected between ARS and the independent auditor. ARS shall coordinate with the site operators at the selected site prior to the independent auditor's visit.

The contractor shall answer all questions on the three questionnaires and provide any requested information to the auditor during the site visits (at the monitoring site and the ARS facility).

The independent auditor shall perform the Technical Systems Audit as directed in the QA Handbook Volume II, Section 15.3 (dated 5/2013).

<http://www.epa.gov/ttnamti1/files/ambient/pm25/qa/QA-Handbook-Vol-II.pdf>

#### **3. Reporting**

The independent auditor will conduct a brief closeout with ARS while at the facility. After the TSA is complete, the independent auditor will provide ARS with a draft report containing the results from the questionnaires. ARS will provide feedback and provide clarification for any finding reported in the draft report. ARS will provide a copy of the final report to EPA.

### **V. DELIVERABLES**

#### **1. Work Plan**

As described in Task 1.

**2. Monthly Progress Report**

The contractor shall prepare a monthly progress report by the 15<sup>th</sup> of each month summarizing the technical and financial status of the task order.

**3. Final TSA Report**

The contractor shall submit the final TSA report from the independent auditor to EPA by 30 days after the end of the task order period.

**VI. SCHEDULE**

The work plan shall be delivered within 15 days of issuance of this task order.

**Distribution of Deliverables:**

Addressee	Copies
EPA Contracting Officer (Robert Gray)	1
EPA TOPO (Timothy Sharac)	1
EPA PO (Melissa Puchalski)	1

**ATTACHMENT B**  
**SUMMARY OF AMOUNTS AND CEILINGS**

<b>Total Funding/Obligation Amount</b>			
<b>Period</b>	<b>This Action</b>		<b>Amount</b>
Base Period	\$40,000		\$40,000
Total	\$40,000		\$40,000

<b>Total Task Order Ceiling</b>			
<b>Period</b>	<b>This Action</b>		<b>Amount</b>
Base Period	\$52,155		\$52,155
Total	\$52,155		\$52,155

**NOTE:** This task order is hereby incrementally funded. The Contractor exceeds funding at its own risk.

This task order requires \$12,155 to be fully funded.

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
001		See Block 16C		PR-OAR-17-00063		EP-W-16-015	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
HPOD							
US Environmental Protection Agency							
William Jefferson Clinton Building							
1200 Pennsylvania Avenue, N. W.							
Mail Code: 3803R							
Washington DC 20460							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.				9A. AMENDMENT OF SOLICITATION NO.			
Attn: LISA DWYER				9B. DATED (SEE ITEM 11)			
AMEC FOSTER WHEELER ENVIRONMENT & I							
751 ARBOR WAY, STE 180							
(b)(4)				x 10A. MODIFICATION OF CONTRACT/ORDER NO.			
				EP-W-16-015			
				0009			
				10B. DATED (SEE ITEM 13)			
				07/19/2016			
CODE 038086125		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$5,000.00	
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X	D. OTHER (Specify type of modification and authority) FUNDING ONLY ACTION						
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 038086125							
The purpose of this modification is to obligate incremental funding in the amount of \$5,000.00.							
Contracting Officer: Michael Fox, (202)564-2550, Fox.Michael@epa.gov							
Contracting Officer Representative (COR): Timothy Sharac, (202)343-9180, Sharac.Timothy@epa.gov							
Alternate COR: Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Anthony Terrell			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 11/17/2016	

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-W-16-015/0009/001	2	3

NAME OF OFFEROR OR CONTRACTOR  
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Mellisa Puchalski, (202)343-9882, Puchalski.Melissa@epa.gov</p> <p>Contractor POC: Kemp Howell, (352)333-6612, Kemp.Howell@amecfw.com TOCOR: Timothy Sharac</p> <p>LIST OF CHANGES: Reason for Modification : Funding Only Action Obligated Amount for this Modification: \$5,000.00 New Total Obligated Amount for this Award: \$45,000.00 Incremental Funded Amount changed: from \$40,000.00 to \$45,000.00 Buyer changed from Robert A Gray  to Michael C Fox</p> <p>Contracting Officer changed from Robert A Gray  to Anthony Terrell</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this modification: \$5,000.00 Incremental Funded Amount changed from \$40,000.00 to \$45,000.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 16-17-B-58D2-102A45-2505-1758DC7002-001 Beginning FiscalYear 16 Ending Fiscal Year 17 Fund (Appropriation) B Budget Organization 58D2 Program (PRC) 102A45 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1758DC7002-001 Quantity: 0 Amount: \$5,000.00 Percent: 9.58681 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) Continued ...</p>				

NAME OF OFFEROR OR CONTRACTOR  
 AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711  Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 FOB: Destination Period of Performance: 07/19/2016 to 07/08/2021				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		<b>1. CONTRACT ID CODE</b>		<b>PAGE OF PAGES</b> 1 2	
<b>2. AMENDMENT/MODIFICATION NO.</b> 002		<b>3. EFFECTIVE DATE</b> See Block 16C		<b>4. REQUISITION/PURCHASE REQ. NO.</b>	
<b>5. PROJECT NO. (If applicable)</b> EP-W-16-015		<b>6. ISSUED BY</b> HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		<b>7. ADMINISTERED BY (If other than Item 6)</b> CODE	
<b>8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)</b> AMEC ENVIRONMENT & INFRASTRUCTURE, INC. Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONMENT & I 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960		<b>9A. AMENDMENT OF SOLICITATION NO.</b> (x)		<b>9B. DATED (SEE ITEM 11)</b>	
<b>CODE</b> 038086125		<b>FACILITY CODE</b>		<b>10A. MODIFICATION OF CONTRACT/ORDER NO.</b> EP-W-16-015 0009 <b>10B. DATED (SEE ITEM 13)</b> 07/19/2016	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

<b>CHECK ONE</b>	<b>A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.</b>
X	<b>B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).</b>
	<b>C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:</b>
	<b>D. OTHER (Specify type of modification and authority)</b>

**E. IMPORTANT:** Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 038086125

The purpose of this administrative modification is to change the period of performance end date from 01/31/2017 to 07/08/2017 at no additional cost to the government. The period of performance is hereby changed to 07/19/2016 through 07/08/2017.

Contracting Officer:

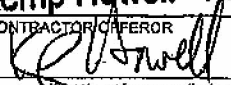

Michael Fox, (202) 564-2550, Fox.Michael@epa.gov

Contracting Officer Representative (COR):

Timothy Sharac, (202) 343-9180, Sharac.Timothy@epa.gov

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

<b>15A. NAME AND TITLE OF SIGNER (Type or print)</b> Kemp Howell - Project Manager		<b>16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)</b> Michael C. Fox	
<b>15B. CONTRACTOR/ORDER NO.</b> 	<b>15C. DATE SIGNED</b> 11/28/16	<b>16B. UNITED STATES OF AMERICA</b> 	<b>16C. DATE SIGNED</b> 11/29/16

NSN 7540-01-152-8070  
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 63.243



CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-W-16-015/0009/002	2	2

NAME OF OFFEROR OR CONTRACTOR  
 AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Alternate COR:            Melissa Puchalski, (202)343-9882,            Puchalski.Melissa@epa.gov</p> <p>Contractor POC:            Kemp Howell, (352)333-6612, Kemp.Howell@amecfw.com</p> <p>TOCOR: Timothy Sharac</p> <p>LIST OF CHANGES:</p> <p>Reason for Modification : Other Administrative Action</p> <p>Period Of Performance End Date changed from            08-JUL-21 to 08-JUL-17</p> <p>Total Amount for this Modification: \$0.00</p> <p>New Total Amount for this Version: \$0.00</p> <p>New Total Amount for this Award: \$52,155.00</p> <p>Contracting Officer changed            from Anthony Terrell</p> <p>to Michael C Fox</p> <p>Payment:</p> <p>RTP Finance Center            US Environmental Protection Agency            RTP-Finance Center (AA216-01)            109 TW Alexander Drive            www2.epa.gov/financial/contracts            Durham NC 27711</p> <p>Period of Performance: 07/19/2016 to 07/08/2017</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1      2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
003		See Block 16C		PR-OAR-17-00657		EP-W-16-015	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
HPOD							
US Environmental Protection Agency							
William Jefferson Clinton Building							
1200 Pennsylvania Avenue, N. W.							
Mail Code: 3803R							
Washington DC 20460							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.							
Attn: LISA DWYER							
AMEC FOSTER WHEELER ENVIRONMENT & I							
751 ARBOR WAY, STE 180							
(b)(4)				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO.			
				EP-W-16-015			
				0009			
				10B. DATED (SEE ITEM 13)			
				07/19/2016			
CODE 038086125		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$7,155.00	
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.232-22 Limitation of Funds						
	D. OTHER (Specify type of modification and authority)						
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 038086125							
The purpose of this modification is obligate incremental funding in the amount of \$7,155.00. This task order is now fully-funded.							
TOCOR: Timothy Sharac							
LIST OF CHANGES:							
Reason for Modification : Funding Only Action							
Total Amount for this Modification: \$0.00							
New Total Amount for this Version: \$52,155.00							
New Total Amount for this Award: \$52,155.00							
Obligated Amount for this Modification: \$7,155.00							
New Total Obligated Amount for this Award: \$52,155.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Michael C. Fox			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 04/07/2017	
NSN 7540-01-152-8070				STANDARD FORM 30 (REV. 10-83)			
Previous edition unusable				Prescribed by GSA			
				FAR (48 CFR) 53.243			

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-16-015/0009/003	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR

AMEC ENVIRONMENT &amp; INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Incremental Funded Amount changed: from \$45,000.00 to \$52,155.00 CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this modification: \$7,155.00 Incremental Funded Amount changed from \$45,000.00 to \$52,155.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 17-18-C-58D5-102A45-2505-1758DC7043-001 Beginning FiscalYear 17 Ending Fiscal Year 18 Fund (Appropriation) C Budget Organization 58D5 Program (PRC) 102A45 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1758DC7043-001 Quantity: 0 Amount: \$7,155.00 Percent: 13.71872 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>FOB: Destination Period of Performance: 07/19/2016 to 07/08/2017</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00004		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable) EP-W-16-015		6. ISSUED BY CODE HPOD		7. ADMINISTERED BY (If other than Item 6) CODE	
HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) AMEC ENVIRONMENT & INFRASTRUCTURE, INC. Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONMENT & I 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960		9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 9C. DATED (SEE ITEM 11) 9D. DATED (SEE ITEM 11) 9E. DATED (SEE ITEM 11) 9F. DATED (SEE ITEM 11) 9G. DATED (SEE ITEM 11) 9H. DATED (SEE ITEM 11) 9I. DATED (SEE ITEM 11) 9J. DATED (SEE ITEM 11) 9K. DATED (SEE ITEM 11) 9L. DATED (SEE ITEM 11) 9M. DATED (SEE ITEM 11) 9N. DATED (SEE ITEM 11) 9O. DATED (SEE ITEM 11) 9P. DATED (SEE ITEM 11) 9Q. DATED (SEE ITEM 11) 9R. DATED (SEE ITEM 11) 9S. DATED (SEE ITEM 11) 9T. DATED (SEE ITEM 11) 9U. DATED (SEE ITEM 11) 9V. DATED (SEE ITEM 11) 9W. DATED (SEE ITEM 11) 9X. DATED (SEE ITEM 11) 9Y. DATED (SEE ITEM 11) 9Z. 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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS	
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.	
12. ACCOUNTING AND APPROPRIATION DATA (If required)	Net Decrease: -\$5,373.65
See Schedule	

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.	
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.232-22 Limitation of Funds
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT:	Contractor <input checked="" type="checkbox"/> is not. <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.
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14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
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The purpose of this modification is to de-obligate funding in the amount of \$5,373.65 from this task order.

LIST OF CHANGES:  
 Reason for Modification : Funding Only Action  
 Obligated Amount for this Modification: -\$5,373.65  
 New Total Obligated Amount for this Award: \$46,781.35  
 Incremental Funded Amount changed: from \$52,155.00 to \$46,781.35  
 CHANGES FOR LINE ITEM NUMBER: 1  
 Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
	Michael C. Fox
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	
16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of Contracting Officer)	11/03/2017

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	EP-W-16-015/0009/P00004	2	2

NAME OF OFFEROR OR CONTRACTOR

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Obligated Amount for this modification: -\$5,373.65 Incremental Funded Amount changed from \$52,155.00 to \$46,781.35</p> <p>CHANGES FOR ACCOUNTING CODE: 17-18-C-58D5-102A45-2505-1758DC7043-001 Amount changed from \$7,155.00 to \$1,781.35</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>FOB: Destination Period of Performance: 07/19/2016 to 07/08/2017</p>				